NORTHERN FORESTRY CENTRE PUBLICATIONS, 2000–2003

E.M. Lefebvre and D.A. Leroy

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Northern Forestry Centre

Natural Resources Canada
Canadian Forest Service
Ressources naturelles Canada
Service canadien des forêts

Canada

The Northern Forestry Centre in Edmonton, Alberta, carries out federal forest research and policy development in Alberta, Saskatchewan, Manitoba, the Northwest Territories, and Nunavut. One of five Canadian Forest Service research establishments across Canada, we provide the forest sector with information and leading edge technologies to ensure it remains competitive, environmentally responsible, and sustainable.

We play a major role in national programs on climate change impacts on forests, forest fires, forestry socio-economics, biodiversity, forest health monitoring and landscape management. In addition, we carry out the Model Forest Program and First Nations Forestry Program in our region.

The Saskatchewan Liaison Office in Prince Albert is responsible for delivering CFS programs in Saskatchewan and Manitoba, under the general direction of the Northern Forestry Centre in Edmonton.

Le Centre de foresterie du Nord à Edmonton (Alberta) a pour mandat d'exécuter les politiques et les recherches fédérales en matière forestière en Alberta, en Saskatchewan, au Manitoba, dans les Territoires du Nord-Ouest et au Nunavut. Il est un des cinq établissements de recherche que compte le Service canadien des forêts à travers le Canada. Il fournit au secteur forestier l'information et les technologies de pointe dont il a besoin pour rester concurrentiel, respecter l'environnement et satisfaire aux impératifs du développement durable.

Le Centre de foresterie du Nord joue un rôle important dans les programmes nationaux de recherche concernant les impact des changements climatiques sur les forêts, les feux de forêts, les aspects socio-économiques de la foresterie, la biodiversité, la surveillance de la santé des forêts, et l'aménagement des paysages. En outre, il est responsable du Programme de forêts modèles et du Programme forestier des Premières nations dans sa région.

Le bureau de liaison de la Saskatchewan à Prince Albert est chargé de la mise en œuvre des programmes du SCF en Saskatchewan et au Manitoba, sous la direction générale du Centre de foresterie du Nord à Edmonton.

Cover image: Sunwapta Falls sunset.

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ABSTRACT

Scientific, technical, and interpretive publications written or published by staff of the Northern Forestry Centre during 2000–2003 are listed alphabetically by author. A subject index is provided.

RÉSUMÉ

Ce document énumère alphabétiquement (par auteur) les publications scientifiques et techniques ainsi que les ouvrages de vulgarisation qui ont été rédigés ou publiés par le personnel du Centre de foresterie du Nord entre 2000 et 2003. Un index des sujets est présenté.

PREFACE

The Northern Forestry Centre of Natural Resources Canada, Canadian Forest Service, has produced a wealth of forestry research literature since it opened in 1970. This newest bibliography lists over 250 publications by staff of the Northern Forestry Centre that were published during 2000–2003.

Listed alphabetically by author are Information Reports, Special Reports, conference proceedings, and pamphlets published by the Northern Forestry Centre, plus journal articles, symposium items, and miscellaneous articles published elsewhere. A subject index provides a convenient means of locating authors by topic.

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To promote the sustainable development of Canada's forests and competitiveness of the Canadian forest sector for the well-being of present and future generations of Canadians.

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The subject index that follows lists alphabetically the main topics of research at the Northern Forestry Centre during 2000-2003. Within each topic or category are listed alphabetically the appropriate author and year citations, many of which appear more than once. The topics and categories are as follows:

Aboriginal Forestry, Plant Use
Aspen
Climate Change, Atmospheric factors
  Carbon and Energy
  Environmental Impacts
  Fire and Atmospheric Impacts
Forest Diseases
Forest Ecology and Site Classification
Forest Fires
  Ecology and Behavior
  Forecasting, Detection, Suppression
  Management
Forest Insects
Growth, Yield, and Inventory
Impacts of Forestry Practices
International Policy and Science
Miscellaneous
National Strategy and Coordination
Pine
Remote Sensing
Soils, Wetlands, Hydrology
Socioeconomics and Statistics
Spruce
Sustainable Forest Management

ABORIGINAL FORESTRY, PLANT USE

Canadian Forest Service 2000
Garvin, Nelson, Ellehoj, and Redmond 2001
Ghebremichael and Kubursi 2003
Marles, Clavelle, Monteleone, Tays, and Burns 2000
Marles and Lefebvre 2000a, b

ASPEN

Hall, Fernandes, Hogg, Brandt, Butson, Case, and Leblanc 2003
Hogg, Brandt, and Kochtubajda 2002
Hogg, Hart, and Lieffers 2002
Hogg, Saugier, Pontailler, Black, Chen, Hurdle, and Wu 2000
Lieffers, Landhäusser, and Hogg 2001
Little, Pluth, Corns, and Gilmore 2002
Stewart, Landhäusser, Stadt, and Lieffers 2000

CLIMATE CHANGE, ATMOSPHERIC FACTORS

Carbon and Energy

Alavalapati, Wong, Moulton, and White 2002
Amiro 2000a
Amiro 2001
Amiro 2002a
Amiro, Flannigan, Stocks, and Wotton 2002
Amiro, Flannigan, Stocks, and Wotton 2003a, b
Apps, Bhatti, Halliwell, Jiang, and Peng 2000
Apps and Marsden, 2000
Banfield, Bhatti, Jiang, and Apps 2002
Bhatti and Apps 2000
Bhatti, Apps, and Jiang 2001, 2002
Bhatti, Apps, and Tarnocai 2002
Bhatti and Bauer 2002
Bhatti, Van Kooten, Apps, Laird, Campbell, Campbell, Turetsky, Yu, and Banfield 2003
Black, Chen, Barr, Arain, Chen, Nesic, Hogg, Neumann, and Yang 2000
Campbell, Campbell, Vitt, Kelker, Laird, Trew, Kotak, LeClair, and Bayley 2000
Campbell, Campbell, Yu, Vitt, and Apps 2000
Canadian Forest Service 2003b
Goodenough, Bhogal, Dyk, Apps, Hall, Tickle, Chen, Butler, and Gim 2000
Li, Apps, Banfield, and Kurz 2002
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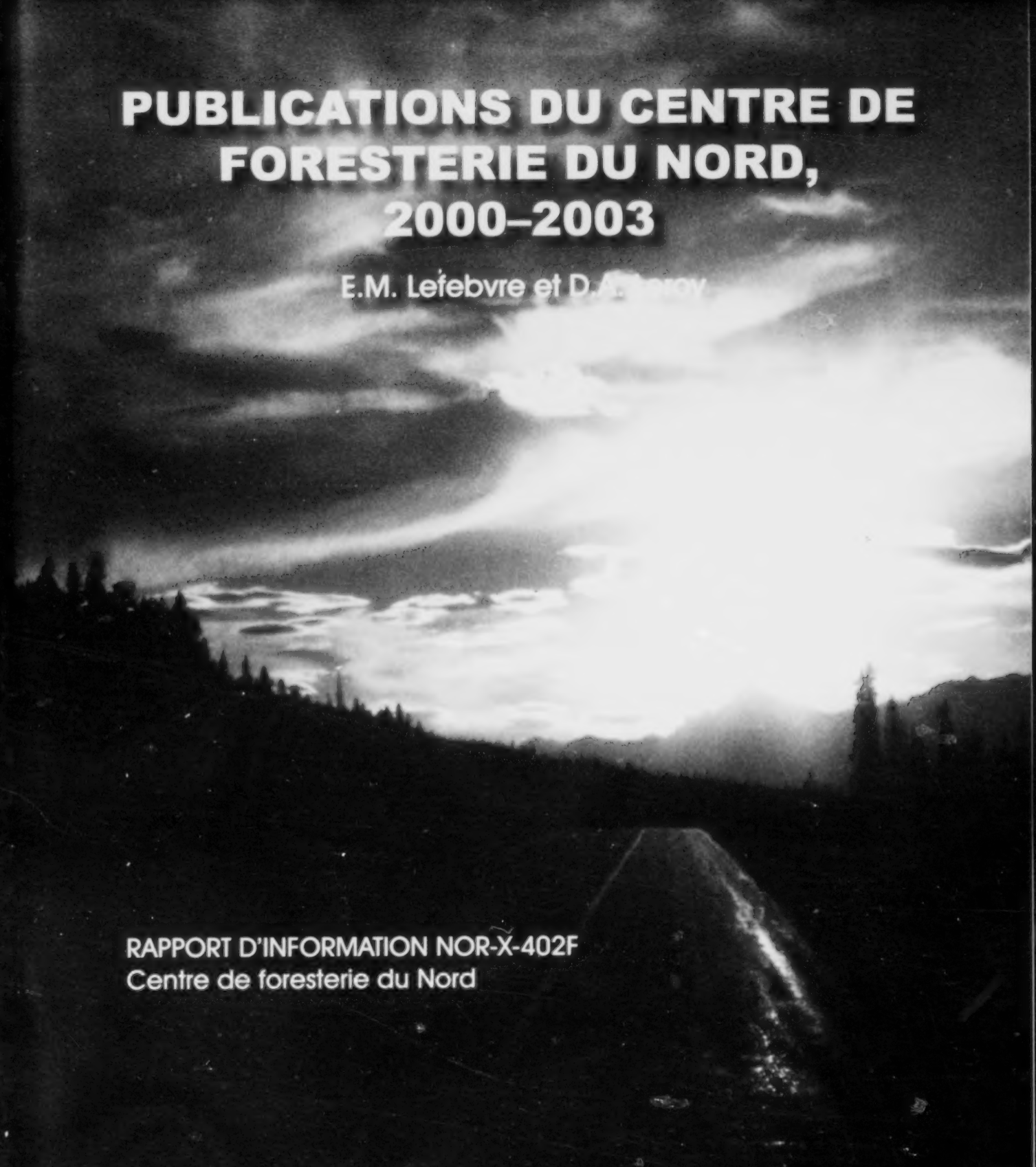
PUBLICATIONS DU CENTRE DE FORESTERIE DU NORD, 2000–2003

E.M. Lefebvre et D.A. Leroy



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Centre de foresterie du Nord

Ressources naturelles Canada
Service canadien des forêts
Natural Resources Canada
Canadian Forest Service

Canada

Le Centre de foresterie du Nord à Edmonton (Alberta) a pour mandat d'exécuter les politiques et les recherches fédérales en matière forestière en Alberta, en Saskatchewan, au Manitoba, dans les Territoires du Nord-Ouest et au Nunavut. Il est un des cinq établissements de recherche que compte le Service canadien des forêts à travers le Canada. Il fournit au secteur forestier l'information et les technologies de pointe dont il a besoin pour rester concurrentiel, respecter l'environnement et satisfaire aux impératifs du développement durable.

Le Centre de foresterie du Nord joue un rôle important dans les programmes nationaux de recherche concernant les impact des changements climatiques sur les forêts, les feux de forêts, les aspects socio-économiques de la foresterie, la biodiversité, la surveillance de la santé des forêts, et l'aménagement des paysages. En outre, il est responsable du Programme de forêts modèles et du Programme forestier des Premières nations dans sa région.

Le bureau de liaison de la Saskatchewan à Prince Albert est chargé de la mise en œuvre des programmes du SCF en Saskatchewan et au Manitoba, sous la direction générale du Centre de foresterie du Nord à Edmonton.

The Northern Forestry Centre in Edmonton, Alberta, carries out federal forest research and policy development in Alberta, Saskatchewan, Manitoba, the Northwest Territories, and Nunavut. One of five Canadian Forest Service research establishments across Canada, we provide the forest sector with information and leading edge technologies to ensure it remains competitive, environmentally responsible, and sustainable.

We play a major role in national programs on climate change impacts on forests, forest fires, forestry socio-economics, biodiversity, forest health monitoring and landscape management. In addition, we carry out the Model Forest Program and First Nations Forestry Program in our region.

The Saskatchewan Liaison Office in Prince Albert is responsible for delivering CFS programs in Saskatchewan and Manitoba, under the general direction of the Northern Forestry Centre in Edmonton.

Image de couverture : Coucher du soleil Sunwapta Falls.

PUBLICATIONS DU CENTRE DE FORESTERIE DU NORD, 2000–2003

E. M. Lefebvre et D.A. Leroy

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RÉSUMÉ

Ce document énumère alphabétiquement (par auteur) les publications scientifiques et techniques ainsi que les ouvrages de vulgarisation qui ont été rédigés ou publiés par le personnel du Centre de foresterie du Nord entre 2000 à 2003. Un index des sujets est présenté.

ABSTRACT

Scientific, technical, and interpretive publications written or published by staff of the Northern Forestry Centre during 2000–2003 are listed alphabetically by author. A subject index is provided.

PRÉFACE

Le Centre de foresterie du Nord de Ressources naturelles Canada, Service canadien des forêts, a engendré une mine de compte rendu de recherche forestière depuis qu'il a ouvert ses portes en 1970. Cette nouvelle bibliographie présente une liste de plus de 250 publications du personnel publiées entre 2000 à 2003.

Les Rapports d'information, Rapports spéciaux, travaux d'un congrès, des brochures et dépliants émanant du Centre de foresterie du Nord, ainsi que des publications diverses, des publications de journal et publications de symposium publiés par des autres organismes sont répertoriés alphabétiquement par auteur. Un index des sujets permet de localiser les auteurs selon le thème.

Pour information supplémentaire concernant des publications du Service canadien des forêts, visitez la librairie du SCF : **http://librairie. scf.rncan.gc.ca**. Sauf avis contraire, tous les articles dans notre catalogue sont distribués sans frais.

Quelques publications sont aussi disponible au site internet du Centre de foresterie du Nord : **http://nofc.cfs.nrcan.gc.ca**.

L'intention de cette bibliographie est pour aider la recherche; on n'y en doit pas considérér comme un catalogue pour commander les ouvrages.

La mission du Service canadien des forêts:

Promouvoir le développement durable des forêts canadiennes et la compétitivité du secteur canadien des forêts pour garantir le mieux-être des Canadiens d'aujourd'hui et de demain.

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A

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L'index des sujets se trouvent dans les pages suivantes présente alphabétiquement les principaux sujets de recherche au Centre de foresterie du Nord pendant la période 2000 à 2003. Au sein de chaque sujet ou catégorie, les citations selon l'auteur et l'année pertinente sont répertoriées alphabétiquement et, dans plusieurs instances, se presentent plus d'une fois. Voici au-dessous les sujets et les catégories :

Accroissement, Rendement, Inventaire
Aménagement durable des forêts
Changements climatiques et influences atmosphériques
  Carbone et energie
  Effets environnementals
  Feu et effets atmosphériques
Divers
Écologie forestière et classification des sites
Épinette
Foresterie autochtone, plantes utilisées par les autochtones
Incendies des forêts
  Aménagement
  Écologie et comportement
  Prévision, Détection, Suppression
Incidences des pratiques forestières
Insectes forestiers
Maladies forestières
Pin
Politiques et science internationaux
Socio-économie et statistique
Sols, Terres humides, Hydrologie
Stratégie nationale et coordination
Télédétection
Tremble

ACCROISSEMENT, RENDEMENT, INVENTAIRE

Bohning, Bell, Bulloch, and Ascher 2003a, b
Chen, Chen, Price, and Cihlar 2002
Engelmark, Bergeron, and Flannigan 2000
Franklin, Hall, Smith, and Gerylo 2003
Hall, Case, Arsenault, Price, Luther, Piercey, Guindon, and Fournier 2002
Hall, Peddle, and Klita 2000
Hall, Wang, and Morgan 2001
Hogg, Brandt, Hook, Michaelian, and Kochtubajda 2002
Hogg, Brandt, and Kochtubajda 2002
Hogg, Hart, and Lieffers 2002
Hogg, Price, and Black 2000
Hogg, Saugier, Pontailler, Black, Chen, Hurdle, and Wu 2000
Hogg and Schwarz 2001
Lieffers, Landhäusser, and Hogg 2001
Little, Pluth, Corns, and Gilmore 2002
MacIsaac, Macdonald, and Comeau 2002
MacIsaac and Sauder 2001
Nadeau, Li, and Corns 2002
Navratil 2002
Parisien and Sirois 2003
Stewart, Landhäusser, Stadt, and Lieffers 2000, 2001
Takyi and Hillman 2000
Tang, Li, and Wang 2001
Tang and Wang 2002
Tardiff, Flannigan, and Bergeron 2000

AMÉNAGEMENT DURABLE DES FORÊTS

Hall, Storrier, Sanchez-Azofeifa, Rivard, Wein, Henry, Brodie, and Laishley 2000
Langor and Szaro 2000
Li 2000d
Szaro, Langor, and Yapi 2000
Szaro, Yapi, Langor, Schaitza, Awang, and Vancura 2000
Van Damme, Russell, Doyon, Duinker, Gooding, Hirsch, Rothwell, and Rudy 2003
Work, Spence, Volney, and Burton 2003

CHANGEMENTS CLIMATIQUES ET INFLUENCES ATMOSPHÉRIQUES

Carbone et energie

Alavalapati, Wong, Moulton, and White 2002
Amiro 2000a
Amiro 2001
Amiro 2002a
Amiro, Flannigan, Stocks, and Wotton 2002
Amiro, Flannigan, Stocks, and Wotton 2003a, b
Apps, Bhatti, Halliwell, Jiang, and Peng 2000
Apps and Marsden, 2000
Banfield, Bhatti, Jiang, and Apps 2002

Bhatti and Apps 2000
Bhatti, Apps, and Jiang 2001, 2002
Bhatti, Apps, and Tarnocai 2002
Bhatti and Bauer 2002
Bhatti, Van Kooten, Apps, Laird, Campbell, Campbell, Turetsky, Yu, and Banfield 2003
Black, Chen, Barr, Arain, Chen, Nesic, Hogg, Neumann, and Yang 2000
Canadian Forest Service 2003b
Campbell, Campbell, Vitt, Kelker, Laird, Trew, Kotak, LeClair, and Bayley 2000
Campbell, Campbell, Yu, Vitt, and Apps 2000
Goodenough, Bhogal, Dyk, Apps, Hall, Tickle, Chen, Butler, and Gim 2000
Li, Apps, Banfield, and Kurz 2002
Schimel, House, Hibbard, Bousquet, Ciais, Peylin, Braswell, Apps, Baker, Bondeau, Canadell, Churkina, Cramer, Denning, Field, Friedlingstein, Goodale, Heimann, Houghton, Melillo, Moore, Murdiyarso, Noble, Pacala, Prentice, Raupach, Rayner, Scholes, Steffen, and Wirth 2001
Shaw and Apps 2002
Siltanen and Price 2002
Yu, Apps, and Bhatti 2002
Yu, Bhatti, and Apps 2002

Effets environnementals

Amiro 2002b
Amiro 2003
Amiro and Chen 2003
Bhatti and Comerford 2002
Bourgeau-Chavez, Alexander, Stocks, and Kasischke 2000
Bugmann, Wullschleger, Price, Ogle, Clark, and Solomon 2001
Canadian Forest Service 2003b
Dale, Joyce, McNulty, Neilson, Ayres, Flannigan, Hanson, Irland, Lugo, Peterson, Simberloff, Swanson, Stocks, and Wotton 2001
Davidson, Williamson, and Parkins 2003
El Maayar, Price, Black, Humphreys, and Jork 2002
El Maayar, Price, Delire, Foley, Black, and Bessemoulin 2001
El Maayar, Price, and Siltanen 2001
Flannigan and Weber 2000
Grissom, Alexander, Cella, Cole, Kurth, Malotte, Martell, Mawdsley, Roessler, Quillin, and Ward, 2000
Hauer, Williamson, and Renner 2001
Hogg 2002
Hogg, Brandt, Hook, Michaelian, and Kochtubajda 2002
Hogg, Brandt, and Kochtubajda 2002
Hogg, Price, and Black 2000
Li, Apps, Kurz, and Banfield 2003
Li, Flannigan, and Corns 2000
Lindner, Sohngen, Joyce, Price, Bernier, and Karjalainen 2002
McGuire, Wirth, Apps, Beringer, Clein, Epstein, Kicklighter, Bhatti, Chapin, de Groot, Efremov, Eugster, Fukuda, Gower, Hinzman, Huntley, Jia, Kasischke, Melillo, Romanovsky, Shvidenko, Vaganov, and Walker 2002
Parker, Colombo, Cherry, Flannigan, Greifenhagen, McAlpine, Papadopol, and Scarr 2000
Price and Flannigan 2000
Price, McKenney, Nalder, Hutchinson, and Kesteven 2000
Price, Zimmermann, Van Der Meer, Lexer, Leadley, Jorritsma, Schaber, Clark, Lasch, McNulty, Wu, and Smith 2001
Schimel, House, Hibbard, Bousquet, Ciais, Peylin, Braswell, Apps, Baker, Bondeau, Canadell, Churkina, Cramer, Denning, Field, Friedlingstein, Goodale, Heimann, Houghton, Melillo, Moore, Murdiyarso, Noble, Pacala, Prentice, Raupach, Rayner, Scholes, Steffen, and Wirth 2001
Shaw and Apps 2002
Volney and Fleming 2000
Yu 2000
Yu, Apps, and Bhatti 2002
Yu and Wright 2001

Feu et effets atmosphériques

Amiro 2000b
Amiro, Chen, and Liu 2000
Amiro, Flannigan, Stocks, and Wotton 2002
Amiro, Flannigan, Stocks, and Wotton 2003a, b
Amiro, MacPherson, and Desjardins 2000
Amiro, MacPherson, Desjardins, Chen, and Liu 2003
Amiro, Stocks, Alexander, Flannigan, and Wotton 2001
Amiro, Todd, Wotton, Logan, Flannigan, Stocks, Mason, Martell, and Hirsch 2001
Cahoon, Stocks, Alexander, Baumn, and Goldammer 2000
Campbell and Flannigan 2000
Field, Dymond, de Groot, and Lee 2000
Flannigan, Campbell, Wotton, Carcaillet, Richard, and Bergeron 2001
Flannigan, Stocks, and Weber 2002
Flannigan, Stocks, and Wotton 2000
Flannigan, Todd, Wotton, Stocks, Skinner, and Martell 2000

Flannigan and Wotton 2001
Kafka, Parisien, Hirsch, Flannigan, and Todd 2001
Kochtubajda, Flannigan, Gyakum, and Stewart 2001
Kochtubajda, Stewart, Gyakum, and Flannigan 2002
Lavorel, Lambin, Flannigan, and Scholes 2001
Skinner, Flannigan, Stocks, Martell, Wotton, Todd, Mason, Logan, and Bosch 2002
Stocks, Wotton, Flannigan, Fosbert, Cahoon, and Goldammer 2001
Wierzchowski, Heathcott, and Flannigan 2002

DIVERS

Anderson 2000a
Boxall, Englin, and Adamowicz 2003
Boxall, Watson, and McFarlane 2001
Bohning, Bell, Bullock, and Ascher 2003 a, b
Bohning, Bell, and Middlebro' 2002
Bohning, Middlebro', and Bell 2001
Canadian Forest Service 2002
Carbyn and Watson 2001
Garvin, Nelson, Ellehoj, and Redmond 2001
Ghebremichael and Kubursi 2003
Ghebremichael and Mackenzie 2000
Johnson and Lefebvre 2000a, b
Kershaw, Gould, Johnson, and Lancaster 2001
Kuhnke, White, and Bohning 2002
Leroy 2000a, b
Marles, Clavelle, Monteleone, Tays, and Burns 2000
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Leblon, Oldford, Abbott, Strickland, Gallant, and Alexander 2003
Lee 2003
Lee, Alexander, Hawkes, Lynham, and Stocks 2000
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Li 2000d
Murphy, Mudds, Stocks, Kasischke, Barry, Alexander, and French 2000
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Rupp, Keane, Lavorel, Flannigan, and Cary 2001
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Frazer, Fournier, Trofymow, and Hall 2001
Gerylo, Hall, Franklin, Gooderham, and Gallagher 2000
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